

1. An implantable shunt device, comprising:  
a primary catheter having a connecting end, an open end, and an inner lumen extending therebetween; and  
a plurality of secondary catheters extending from the connecting end of the primary catheter, each secondary catheter having a fluid passageway formed therein in fluid communication with the inner lumen of the primary catheter, and at least one fluid entry port in fluid communication with the fluid passageway.

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2. The implantable shunt device of claim 1, wherein the plurality of secondary catheters have a combined nominal outer diameter that is substantially the same as or less than an outer diameter of the primary catheter.

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3. The implantable shunt device of claim 1, wherein the connecting end of the primary catheter includes an end cap having a plurality of bores extending into the inner lumen, each bore being adapted to receive a secondary catheter.

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4. The implantable shunt device of claim 1, wherein the plurality of secondary catheters are formed integrally with the primary catheter.

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5. The implantable shunt device of claim 1, wherein the plurality of secondary catheters are intertwined.

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6. The implantable shunt device of claim 1, further comprising at least one support bracket disposed between each of the plurality of secondary catheters for securing the secondary catheters to each other.

7. The implantable shunt device of claim 6, wherein the at least one support bracket is formed from a biologically absorbable material.

8. The implantable shunt device of claim 6, wherein the at least one support bracket is adapted to position the secondary catheters at a distance apart from each other.

9. The implantable shunt device of claim 8, wherein the connecting end of the primary catheter includes a self-sealing valve adapted to receive a rigid stylet, the self-sealing valve being disposed between the inner lumen of the primary catheter and a region external to the inner lumen of the primary catheter.

10. The implantable shunt device of claim 9, wherein the at least one support bracket includes a central bore extending therethrough and adapted to receive the rigid stylet.

11. The implantable shunt device of claim 9, further comprising a rigid stylet removably disposed through the inner lumen of the primary catheter, the self-sealing valve in the connecting end of the primary catheter, between the plurality of secondary catheters, and through the at least one support bracket.

12. The implantable shunt device of claim 1, wherein each of the plurality of secondary catheters includes a proximal end mated to the connecting end of the primary catheter, and a sealed distal end.

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13. The implantable shunt device of claim 12, further comprising a distal cap disposed around the distal end of each of the plurality of secondary catheters.

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14. The implantable shunt device of claim 1, wherein each of the plurality of secondary catheters includes a catheter wall with an outwardly facing portion and an inwardly facing portion, the at least one fluid entry port being disposed on the inwardly facing portion at least one of the plurality of secondary catheters.

15. The implantable shunt device of claim 1, wherein the primary catheter and the plurality of secondary catheters are formed from a flexible material.

16. An implantable catheter, comprising:

5 an elongate trunk conduit having a first end, a second end, and an outer wall that defines an inner lumen; and

a plurality of branch conduits extending from the second end of the elongate trunk conduit, each branch conduit including an inner lumen in fluid communication with the inner lumen of the elongate trunk conduit, and at least one port extending into the inner lumen of the branch conduit.

17. The implantable catheter of claim 16, wherein each of the plurality of branch conduits has a generally elongate cylindrical shape and includes an open proximal end mated to the elongate trunk conduit, and a closed distal end.

18. The implantable catheter of claim 16, wherein the second end of the elongate trunk conduit includes a self-sealing valve adapted to receive a rigid stylet and communicating between the inner lumen and a region external to the inner lumen.

20 19. The implantable catheter of claim 16, wherein the plurality of branch conduits are radially positioned at a distance apart from one another, and wherein the at least one port is disposed on an inwardly facing portion of each of the branch conduits.

25 20. The implantable catheter of claim 19, further comprising a connector bracket disposed between each of the plurality of branch conduits and adapted to maintain the branch conduits at a distance apart from each other.

21. The implantable catheter of claim 16, wherein the elongate trunk conduit and the plurality of branch conduits are formed from a flexible material.

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22. The implantable catheter of claim 16, wherein the catheter includes three branch conduits.

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